

WHAT IS CLAIMED IS:

1. An image transfer system for transferring
image information from an image transmission apparatus
to an image reception apparatus provided with means for
storing images, wherein

5 said image transmission apparatus is provided with
means for requesting the transfer of images to transmit
to said image reception apparatus an image transfer
request signal containing the information of transfer
amount indicating the transfer amount of data on the
10 image information to be transmitted prior to the
transmission of the actual image data;

15 said image reception apparatus comprises
determination means to determine whether or not all the
images to be transferred can be stored on image storage
means in accordance with the information of the
transfer amount contained in said image transfer
request signal and the free information of said image
storage means with respect to said image transfer
20 request,

means for inputting transfer acceptance or refusal
to prompt the user by displaying the result of
determination by said determination means, and

25 means for transmitting response to transmit to
said image transmission apparatus the transfer refusal
signal or the transfer acceptance signal in accordance
with the instruction of the user, and

said image transmission apparatus begins the transfer of image information in accordance with the transfer acceptance signal from said image reception apparatus.

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2. An image transfer system according to Claim 1, wherein said information of transfer amount is the information indicating the sheet number of images to be transferred, and the free information of said image storage means is the information indicating the sheet number of images storable on the free region of said image storage means.

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3. An image transfer system according to Claim 1, wherein said information of transfer amount is the information indicating the sum of each amount of image data of images to be transferred, and the free information of said image storage means is the free storage capacity of said image storage means.

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4. An image transfer system according to Claim 1, wherein said information of transfer amount is the information indicating the sheet number of images to be transferred, and said determination means calculates the sum of the data amount in accordance with said information of transfer amount, and compares the sum with the free storage capacity of said image storage

means.

5. An image transfer system according to Claim 1, wherein said means for inputting the transfer

5 acceptance or refusal displays the current free storage capacity of said image storage means, and the free storage capacity after reception.

6. An image transfer system according to Claim 1,

10 wherein said means for inputting the transfer
acceptance or refusal is provided with means for
restricting acceptance to admit of the image transfer
within a range of the free information of said image
storage means when said information of transfer amount
15 exceeds the free information of said image storage
means, and said image transmission apparatus transmits
only the acceptable images in accordance with the
restricted acceptance by said means for restricting
acceptance.

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7. An image transfer system according to Claim 1, wherein said means for inputting the transfer

acceptance or refusal is provided with means for
restricting acceptance to designate the sheet number of
25 images to be transferred within a range of free
information of said image storage means and admit of
the image transfer of the designated sheet number of

images when said information of transfer amount exceeds
the free information of said image storage means, and
said image transmission apparatus transmits only the
acceptable images in accordance with the restricted
5 acceptance by said means for restricting acceptance.

8. An image transfer system according to Claim 1,
wherein said means for inputting the transfer
acceptance or refusal is provided with means for
10 restricting acceptant to select the images to be
transferred within a range of free information of said
image storage means and admit of the image transfer of
the selected images when said information of transfer
amount exceeds the free information of said image
15 storage means, and said image transmission apparatus
transmits only the acceptable images in accordance with
the restricted acceptance by said means for restricting
acceptance.

20 9. An image transfer system according to Claim 1,
wherein said means for inputting the transfer
acceptance or refusal is provided with means for
selectively deleting images stored on said image
storage means when said information of transfer amount
25 exceeds the free information of said image storage
means.

10. An image transfer system according to Claim
1, wherein said image transmission apparatus is
provided with means for requesting image transfer to
transmit to said image reception apparatus the image
transfer request signal containing the information of
5 reduced images in addition to the transfer amount of
data of the image information to be transmitted prior
to transmitting the actual image data.

10 11. An image transfer system according to Claim
1, wherein said image transmission apparatus and said
image reception apparatus are digital cameras.

12. An image transfer method for transferring
15 image information from an image transmission apparatus
to an image reception apparatus provided with means for
storing images, wherein

said image transmission apparatus comprises the
step of requesting the transfer of images to transmit
20 to said image reception apparatus an image transfer
request signal containing the information of transfer
amount indicating the transfer amount of data on the
image information to be transmitted prior to the
transmission of the actual image data; and

25 said image reception apparatus comprises the step
of determining whether or not all the images to be
transferred can be stored on image storage means in

accordance with the information of the transfer amount contained in said image transfer request signal and the free information of said image storage means with respect to said image transfer request,

5 the step of inputting transfer acceptance or refusal to prompt the user by displaying the result of determination in said determination step, and

10 the step of transmitting response to transmit to said image transmission apparatus the transfer refusal signal or the transfer acceptance signal in accordance with the instruction of the user, and

15 said image transmission apparatus begins the transfer of image information in accordance with the transfer acceptance signal from said image reception apparatus.

20 13. An image transfer method according to Claim 12, wherein said information of transfer amount is the information indicating the sheet number of images to be transferred, and the free information of said image storage means is the information indicating the sheet number of images storable on the free region of said image storage means.

25 14. An image transfer method according to Claim 12, wherein said information of transfer amount is the information indicating the sum of each amount of image

data of images to be transferred, and the free information of said image storage means is the free storage capacity of said image storage means.

5 15. An image transfer method according to Claim
12, wherein said information of transfer amount is the
information indicating the sheet number of images to be
transferred, and the sum of the data amount is
calculated in said determination step in accordance
10 with said information of transfer amount, and compares
the sum with the free storage capacity of said image
storage means.

15 16. An image transfer method according to Claim
12, wherein the current free storage capacity of said
image storage means and the free storage capacity after
reception are displayed in said step of inputting the
transfer acceptance or refusal.

20 17. An image transfer method according to Claim
12, wherein said step of inputting the transfer
acceptance or refusal further comprises the step of
restricting acceptance to admit of the image transfer
within a range of the free information of said image
25 storage means when said information of transfer amount
exceeds the free information of said image storage
means, and said image transmission apparatus transmits

only the acceptable images in accordance with the acceptance restricted in said step of restricting acceptance.

5 18. An image transfer method according to Claim 12, wherein said image transmission apparatus and said image reception apparatus are digital cameras.

10 19. An image reception apparatus comprising:
means for receiving image transfer request to receive the image transfer request signal containing the information of transfer amount indicating transfer data amount of the image information to be transferred;
image storage means;
15 determination means for determining whether or not all the images to be transferred can be stored on said image storage means in accordance with said information of transfer amount contained in said image transfer request signal, and the free information of said image
20 storage means;
means for inputting the transfer acceptance or refusal to prompt the user to accept or refuse the transfer by displaying the determination result of said determination means, and
25 means for transmitting response to transmit response to said image transmission apparatus the transfer refusal signal or the transfer acceptance

signal in accordance with the instruction of the user.

20. An image reception apparatus according to Claim 19, wherein said information of transfer amount
5 is the information indicating the sheet number of images to be transferred, and the free information of said image storage means is the information indicating the sheet number of images storable on the free region of said image storage means.

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21. An image reception apparatus according to Claim 19, wherein said information of transfer amount is the information indicating the sum of each amount of image data of images to be transferred, and the free
15 information of said image storage means is the free storage capacity of said image storage means.

22. An image reception apparatus according to Claim 19, wherein said information of transfer amount
20 is the information indicating the sheet number of images to be transferred, and said determination means calculates the sum of the data amount in accordance with said information of transfer amount, and compares the sum with the free storage capacity of said image
25 storage means.

23. An image reception apparatus according to

Claim 19, wherein said means for inputting the transfer acceptance or refusal displays the current free storage capacity of said image storage means, and the free storage capacity after reception.

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24. An image reception apparatus according to Claim 19, wherein said means for inputting the transfer acceptance or refusal is provided with means for restricting acceptance to admit of the image transfer within a range of the free information of said image storage means when said information of transfer amount exceeds the free information of said image storage means, and said image transmission apparatus transmits only the acceptable images in accordance with the restricted acceptance by said means for restricting acceptance.

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25. An image transmission apparatus comprising:
transfer means for transferring the information of data amount indicating the data amount of image data to an external apparatus;

reception means for receiving from said external apparatus the signal indicating whether or not said external apparatus admits of the transmission of said image data in accordance with said information of data amount and the free storage capacity of storage means to store said image data in said external apparatus;

and

control means for controlling the transmission of
said image data in accordance with the signal received
by said reception means to indicate whether or not the
5 transmission of said image data is admitted.

26. An image transmission apparatus according to
Claim 25, wherein the signal to indicate whether or not
the transmission of said image data is admitted is
10 generated by the manual operation of said external
apparatus.

27. An image transmission apparatus according to
Claim 25, wherein said image transmission apparatus is
15 a digital camera.

28. An image transmission apparatus according to
Claim 25, wherein said transfer means and said
reception means perform transfer and transmission by
20 use of cordless line.

29. An image transmission apparatus according to
Claim 25, wherein said transfer means performs transfer
by adding the thumb nail images having said file name
25 corresponding to said image data or said image data or
the information of priority order of said image data.

30. An image transmission apparatus according to Claim 25, wherein the image corresponding to said image data is the image corresponding to a plurality of files, and said signal to indicate whether or not the transfer of said image data is admitted permits the transfer of a part of plural files, but not any transfer of the files other than the part of the file permitted for transfer.

31. An image transmission apparatus according to Claim 29, wherein said file name indicates the positional information when said image data is photographed.

32. An image transmission apparatus according to Claim 25, wherein the image corresponding to said image data is the image corresponding to a plurality of files, and said transfer means transfers the audio corresponding to said image.

33. An image transmission apparatus according to Claim 27, further comprising:

photographing means to photograph images, and said photographing means is capable of photographing during the transmission of said image data.

34. An image transmission apparatus according to

Claim 25, further comprising:

means for designating the suspension of said communication.

5 35. An image transmission apparatus according to
Claim 25, wherein the image corresponding to said image
data is the image corresponding to a plurality of
files, and said reception means receives from said
external apparatus the information indicating the files
10 to be received by said external apparatus, and the
information indicating the address of the external
apparatus other than said external apparatus, and the
files to be received by the external apparatus other
than said external apparatus.

15 36. An image reception apparatus comprising:
reception means to receive the information of data
amount indication the data amount of image data;

20 detection means to detect the free storage
capacity of storage means to store said image data;
output means to output the indication screen to
indicate the reception of said image data in accordance
with said information of data amount and said free
storage capacity;

25 transmission means to transmit to the external
apparatus the signal to indicate whether or not said
image data are required in accordance with the

reception indication of said image data; and

image reception means to transmit to said external apparatus the signal to indicate whether or not said external apparatus admits of the transmission of said image data, and to receive from said external apparatus the image data in accordance with said transmission.

37. An image reception apparatus according to Claim 36, wherein the signal to indicate whether or not the transfer of said image data is admitted is generated by the manual designation in accordance with the indication of said output means.

38. An image reception apparatus according to Claim 36, wherein said image transmission apparatus is a digital camera.

39. An image reception apparatus according to Claim 36, wherein said transfer means and said reception means perform transfer and transmission by use of cordless line.

40. An image reception apparatus according to Claim 36, wherein said reception means receives the thumb nail images having said file name corresponding to said image data or said image data or also receives the information of priority order of said image data.

41. An image reception apparatus according to Claim 36, wherein the image corresponding to said image data is the image corresponding to a plurality of files, and said signal to indicate whether or not the transfer of said image data is admitted permits the transfer of a part of plural files, but not any transfer of the files other than the part of the file permitted for transfer.

42. An image reception apparatus according to Claim 36, wherein said file name indicates the positional information when said image data is photographed.

43. An image reception apparatus according to Claim 36, wherein the image corresponding to said image data is the image corresponding to a plurality of files, and said reception means receives the audio corresponding to said image.

44. An image reception apparatus according to Claim 36, further comprising:

photographing means to photograph images, and said photographing means is capable of photographing during the reception of said image data.

45. An image reception apparatus according to

Claim 36, further comprising:

means for designating the suspension of said image reception.

- 5 46. An image reception apparatus according to
Claim 36, wherein the image corresponding to said image
data is the image corresponding to a plurality of
files, and the information indicating the files to be
received by said image reception means, and the address
10 of the external apparatus to receive the files other
than the files to be received by said image reception
means are transmitted when transmission is made.